Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031122\
Data File : BF127297.D
Acq On : 11 Mar 2022 11:50
Operator : CG\JU
Sample : N1645-01
Misc : LOD-MDL-SOIL 4ppm
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

Quant Time: Mar 11 12:42:31 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 11 12:42:13 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	101438	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	363717	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	214365	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	326628	20.000	ng	#	0.00
76) Chrysene-d12	14.045	240	256695	20.000	ng	#	0.00
86) Perylene-d12	15.533	264	201587	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	833470	132.086	ng		0.00
7) Phenol-d6	6.510	99	1169780	134.761	ng		0.00
23) Nitrobenzene-d5	7.440	82	665865	75.605	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	305702	132.475	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	1121048	73.936	ng		0.00
79) Terphenyl-d14	12.992	244	1181285	79.242	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.658	88	10810	3.304	ng	#	88
3) Pyridine	3.534	79	27000m	3.101	ng		
4) n-Nitrosodimethylamine	3.381	42	14190	2.942	ng	#	62
6) Aniline	6.540	93	44548	4.294	ng		97
8) 2-Chlorophenol	6.657	128	25465	3.901	ng		95
9) Benzaldehyde	6.428	77	25629	5.065	ng		97
10) Phenol	6.516	94	37054	3.886	ng	#	62
11) bis(2-Chloroethyl)ether	6.610	93	28419	4.013	ng		98
12) 1,3-Dichlorobenzene	6.810	146	29381	4.010	ng		95
13) 1,4-Dichlorobenzene	6.887	146	29382	3.997	ng		98
14) 1,2-Dichlorobenzene	7.040	146	27752	4.011	ng		96
15) Benzyl Alcohol	7.022	79	27613	4.244	ng	#	58
16) 2,2'-oxybis(1-Chloropr...	7.140	45	50641	3.811	ng		97
17) 2-Methylphenol	7.122	107	20677	3.726	ng	#	92
18) Hexachloroethane	7.375	117	10667	3.778	ng	#	72
19) n-Nitroso-di-n-propyla...	7.275	70	21656	3.998	ng		90
20) 3+4-Methylphenols	7.275	107	27494	3.820	ng	#	31
22) Acetophenone	7.275	105	39599	3.976	ng	#	90
24) Nitrobenzene	7.451	77	33760	4.053	ng		93
25) Isophorone	7.687	82	58169	4.108	ng	#	97
26) 2-Nitrophenol	7.769	139	12427	3.602	ng	#	72
27) 2,4-Dimethylphenol	7.804	122	22827	4.408	ng		89
28) bis(2-Chloroethoxy)met...	7.898	93	34810	3.879	ng		100
29) 2,4-Dichlorophenol	8.016	162	21541	3.632	ng		93
30) 1,2,4-Trichlorobenzene	8.092	180	26400	3.905	ng		96
31) Naphthalene	8.175	128	79041	4.074	ng		98
32) Benzoic acid	7.892	122	7873m	2.450	ng		
33) 4-Chloroaniline	8.228	127	30341	4.034	ng		96
34) Hexachlorobutadiene	8.281	225	16163	3.585	ng		98
35) Caprolactam	8.557	113	6318	3.566	ng	#	62
36) 4-Chloro-3-methylphenol	8.704	107	24253	3.773	ng		98
37) 2-Methylnaphthalene	8.863	142	53051	4.185	ng		99
38) 1-Methylnaphthalene	8.963	142	49999	4.102	ng		100
40) 1,2,4,5-Tetrachloroben...	9.028	216	27521	4.055	ng	#	94
41) Hexachlorocyclopentadiene	9.010	237	3764	1.578	ng		96
43) 2,4,6-Trichlorophenol	9.145	196	14287	3.336	ng		98

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	9.186	196	16170	3.557	ng		93
46)	1,1'-Biphenyl	9.328	154	68324	4.223	ng		98
47)	2-Chloronaphthalene	9.351	162	50797	4.033	ng		95
48)	2-Nitroaniline	9.451	65	17163	3.542	ng		86
49)	Acenaphthylene	9.769	152	83545	4.335	ng		98
50)	Dimethylphthalate	9.622	163	56791	3.697	ng	#	98
51)	2,6-Dinitrotoluene	9.692	165	11681	3.759	ng		94
52)	Acenaphthene	9.939	154	46529	4.050	ng		99
53)	3-Nitroaniline	9.863	138	12121	3.580	ng	#	88
54)	2,4-Dinitrophenol	9.986	184	1611m	1.052	ng		
55)	Dibenzofuran	10.116	168	69502	3.894	ng		96
56)	4-Nitrophenol	10.039	139	5526	2.685	ng		94
57)	2,4-Dinitrotoluene	10.098	165	15732	3.848	ng	#	93
58)	Fluorene	10.457	166	56001	4.046	ng		99
59)	2,3,4,6-Tetrachlorophenol	10.233	232	10444	2.765	ng	#	87
60)	Diethylphthalate	10.322	149	53649	3.829	ng		98
61)	4-Chlorophenyl-phenyle...	10.445	204	28555	3.807	ng		89
62)	4-Nitroaniline	10.475	138	11661	3.456	ng	#	83
63)	Azobenzene	10.610	77	59704	3.707	ng		91
65)	4,6-Dinitro-2-methylph...	10.510	198	4991	2.478	ng		89
66)	n-Nitrosodiphenylamine	10.569	169	45377	4.473	ng		99
67)	4-Bromophenyl-phenylether	10.939	248	15511	3.939	ng		95
68)	Hexachlorobenzene	11.004	284	15569	3.628	ng	#	90
69)	Atrazine	11.086	200	13611	3.888	ng		94
70)	Pentachlorophenol	11.210	266	2998m	1.730	ng		
71)	Phenanthrene	11.422	178	68657	3.982	ng		99
72)	Anthracene	11.475	178	68333	4.002	ng		99
73)	Carbazole	11.633	167	60274	3.748	ng		98
74)	Di-n-butylphthalate	11.951	149	70440	3.745	ng		99
75)	Fluoranthene	12.616	202	76236	3.954	ng		91
77)	Benzidine	12.739	184	28193	4.319	ng		97
78)	Pyrene	12.845	202	75476	3.775	ng		99
80)	Butylbenzylphthalate	13.457	149	27228	3.538	ng	#	89
81)	Benzo(a)anthracene	14.033	228	63570	3.678	ng		98
82)	3,3'-Dichlorobenzidine	13.998	252	20876	3.885	ng	#	96
83)	Chrysene	14.069	228	63480	3.949	ng		98
84)	Bis(2-ethylhexyl)phtha...	14.010	149	36695	3.543	ng		98
85)	Di-n-octyl phthalate	14.621	149	55087	3.514	ng	#	92
87)	Indeno(1,2,3-cd)pyrene	17.033	276	37035	3.050	ng	#	84
88)	Benzo(b)fluoranthene	15.092	252	48961	3.700	ng	#	92
89)	Benzo(k)fluoranthene	15.121	252	50832	4.086	ng	#	92
90)	Benzo(a)pyrene	15.468	252	45511	4.368	ng	#	91
91)	Dibenzo(a,h)anthracene	17.045	278	32759	3.241	ng	#	89
92)	Benzo(g,h,i)perylene	17.492	276	33349	3.383	ng	#	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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